# HOW TO CHOOSE AN AIR PURIFIER



## INTRO

Choosing an air purifier can be an intimidating process. This zine is meant as a beginner's guide!

Covid is airborne. It is spread primarily by exhaled particles that hang in the air like smoke. Air purifiers work by scrubbing the air in a room and trapping Covid aerosols in their filters.

Using air purifiers (in combination with increasing ventilation – opening windows, using fans) is a powerful layer of protection from Covid.

## TYPES OF PURIFIERS

### HEPA

These are conventional air purifiers, they often come with optional carbon filters (helpful if you additionally wanna filter VOCs + odors) + many bells & whistles.

### CR Boxes

In their most rudimentary form, these are MERV13 filters duct taped to a box fan, but you can also get CR box kits that use computer fans for extremely quiet & efficient air purification.

## SOURCES & RESOURCES

CLEANAIROLY.ORG/ZINE
[print * purchase * read]
this zine + others!

## PERSONAL FAV

Anything from Clean Air Kits, especially the Luggable XXL

## Thanks for reading!

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## TYPES OF FILTERS

### MERV13

For HVAC systems, typically used in CR box style air purifiers. MERV filters have various different ratings, you want 13 or better.

### HEPA

Generally found in conventional air purifiers, stands for "high efficiency particulate air" filter.

Both filter types work for COVID by capturing aerosolized particles.

## UPKEEP

Regular upkeep is extremely important!

Check on the filter(s) according to the manufacturer's recommendation. Set a calendar reminder so you don't forget!

Sometimes filters need changed sooner, depending on frequency of use!

Consider buying a back-up filter in advance to have on hand.

## 5+ AIR CHANGES PER HOUR is the gold standard for COVID.

Our example purifier cleans 3120 sq ft in 1 hour. That's 3120 sq ft 1 ACH. To find the 5 ACH coverage, divide that 1 ACH number by 5:

3120/5 = 624

So our example purifier cleans 624 sq ft 5 times per hour (or 624 sq ft 5 ACH).

Ideally, you want the 5 ACH coverage to be the same or bigger than the square footage of your space. Any air changes are better than none, though!!

You'll probably have to do a lil math to figure out the 5 ACH coverage of the purifier you're looking at.

Most manufacterers tend to list the square footage per hour:

* Purifies 1,560 ft² in 30 mins,
3,120 ft² in 60 mins